

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>17037A</b>	<b>FOR FURTHER ACTION</b>		see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. <b>PCT/US 02/ 08716</b>	International filing date (day/month/year) <b>21/03/2002</b>	(Earliest) Priority Date (day/month/year) <b>12/09/2001</b>	
Applicant  <b>KIMBERLY-CLARK WORLDWIDE, INC.</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

✓ ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/08716

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 D04H1/00 D04H3/00 G11B33/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 D04H G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 850 731 A (YOUNGS ROSS O) 25 July 1989 (1989-07-25) claims 1-24; figures 1-5 ---	1,17,46
X	US 6 186 320 B1 (DREW TERRENCE MARTIN) 13 February 2001 (2001-02-13) cited in the application claims 1-13; figures 1-12 ---	1,17,46
A	US 5 697 200 A (INSLEY THOMAS I ET AL) 16 December 1997 (1997-12-16) the whole document ---	1-47
A	US 5 667 562 A (MIDKIFF DAVID GRANT) 16 September 1997 (1997-09-16) the whole document ---	1-47
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

9 July 2002

Date of mailing of the international search report

22/07/2002

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Karlsson, L

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/08716

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 741 941 A (ENGLEBERT STEPHEN M ET AL) 3 May 1988 (1988-05-03) the whole document ----	1-47
A	US 5 547 541 A (HANSEN MICHAEL R ET AL) 20 August 1996 (1996-08-20) the whole document ----	1-47
A	WO 00 66821 A (KIMBERLY CLARK CO) 9 November 2000 (2000-11-09) the whole document -----	1-47

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Information on patent family members

International Application No

PCT/US 02/08716

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		WO 0066821 A1	09-11-2000

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International Application No

PCT/US 02/08715

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IPC 7 D04H1/58 D04H3/00 G11B33/14

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## B. FIELDS SEARCHED

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EPO-Internal, PAJ, WPI Data

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 667 562 A (MIDKIFF DAVID GRANT) 16 September 1997 (1997-09-16) column 7, line 45 -column 8, line 28; claims 1-8	1
Y	US 5 721 180 A (PIKE RICHARD DANIEL ET AL) 24 February 1998 (1998-02-24) claims 1-20; example 1	1-12
Y	US 5 858 515 A (CLARK DARRYL FRANKLIN ET AL) 12 January 1999 (1999-01-12) claims 1-20; examples 0-R	1-12
A	US 5 817 584 A (PIKE RICHARD DANIEL ET AL) 6 October 1998 (1998-10-06) the whole document	1-28
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\*G\* document member of the same patent family

Date of the actual completion of the international search

11 July 2002

Date of mailing of the international search report

22/07/2002

Name and mailing address of the ISA  
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International Application No

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US 4850731	A	25-07-1989	AT 100410 T AU 3698989 A CA 1327154 A1 DE 68912587 D1 DE 68912587 T2 EP 0416009 A1 JP 7002511 B JP 4500945 T WO 8910882 A1	15-02-1994 29-11-1989 22-02-1994 03-03-1994 05-05-1994 13-03-1991 18-01-1995 20-02-1992 16-11-1989
US 6186320	B1	13-02-2001	US 2001000892 A1 US 2002084200 A1	10-05-2001 04-07-2002